FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE CUSTOMER NO. 22,852 REV. 2/01T ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 05788.0336 DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NO. **CONCERNING A FILING UNDER 35 U.S.C. 371** 107518855 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/EP2002/007207 June 28, 2002 TITLE OF INVENTION FOUR-WAVE-MIXING BASED OPTICAL WAVELENGTH CONVERTER DEVICE APPLICANT(S) FOR DO/EO/US Andrea MELLONI; Francesco MORICHETTI; Silvia Maria PIETRALUNGA; and Mario MARTINELLI Applicant(s) herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a filing under 35 U.S.C 371. 1. \boxtimes This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 2. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include [] 3. items (5), (6), (9) and (21) indicated below. 4. The US has been elected by the expiration of 19 months from the priority date (Article 31). \boxtimes A copy of the International Application as filed (35 U.S.C. 371 (c)(2)). 5. a. \boxtimes is attached hereto (required only if not communicated by the International Bureau. b. has been communicated by the International Bureau. is not required, as the application was filed with the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 Ú.S.C. 371 (c)(2)). 6. is attached hereto. b. has been previously submitted under 35 U.S.C. 154 (d)(4). 7. \boxtimes Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)). are attached hereto (required only if not communicated by the International Bureau). b. have been communicated by the International Bureau. C. have not been made; however, the time limit for making such amendments has NOT expired. d. \boxtimes have not been made and will not be made. 8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). Items 11 to 20 below concern document(s) or information included: 11. Ø Information Disclosure Statement under 37 CFR 1.97 and 1.98 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. \boxtimes 13. A FIRST preliminary amendment, including 22 claims as amended, with Abstract. 14. A SECOND or SUBSEQUENT preliminary amendment. 15. A Substitute specification. 16. A change of power of attorney and/or address letter. 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825. 18. A second copy of the published international application under 35 U.S.C. 154 (d)(4). 19. A second copy of the English language translation of the international application 35 U.S.C. 154 (d)(4). \boxtimes 20. Other items or information: \boxtimes a. Copy of cover page of International Publication No. WO 2004/003653 A1 b. Copy of Notification of Missing Requirements.

DT09 Rec'd PCT/PT0 21 U.S. APPLICATION NO. (If known, see 37CFR 1.5) INTERNATIONAL APPLICATION NO. ATTORNEY'S DOCKET NUMBER 10/518855 PCT/EP2002/007207 05788.0336 The following fees are submitted: CALCULATIONS PTO USE ONLY BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): \$300.00 National Stage Search Fee \$\,_\\$500.00 National Stage Examination Fee.....\$200.00 \$1000.00 ENTER APPROPRIATE BASIC FEE AMOUNT = Surcharge of \$130.00 for furnishing the oath or declaration later than □ 20 □ 30 \$ months from the earliest claimed priority date (37 CFR 1.492 (e)). NUMBER FILED **CLAIMS** NUMBER EXTRA **RATE** Total Claims 22 - 20 = x \$50.00 \$100.00 Independent Claims -3 = 2 x \$200.00 \$400.00 MULTIPLE DEPENDENT CLAIM(S) (if applicable) +\$360.00 \$ TOTAL OF THE ABOVE CALCULATIONS = \$1500.00 ☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½. \$ \$1500.00 SUBTOTAL = Processing fee of \$130.00 for furnishing the English translation later than □ 20 □ 30 \$ months from the earliest priority date (37 CFR 1.492(f)). TOTAL NATIONAL FEE = \$1500.00 Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by \$ an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property. TOTAL FEES ENCLOSED = \$1500.00 Amount to be \$ refunded: charged: \boxtimes A check in the amount of \$ 1500.00 to cover the above fees is enclosed. a. b. Please charge my Deposit Account No. in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. \boxtimes The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0916. A duplicate copy of this sheet is enclosed. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card d. information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P. 1300 I Street, N.W. **SIGNATURE** Washington, D.C. 20005-3315 Ernest F. Chapman, Reg. No. 25,961

NAME/REGISTRATION NO.

DATED: December 21, 2004